



Proposed Code Change

State Form 41186R

RETURN TO:
INDIANA DEPARTMENT OF HOMELAND SECURITY
CODE SERVICES SECTION
302 W. Washington Street Room W246
Indianapolis, IN 46204

FOR OFFICE USE ONLY

Received 6-21-09

Code 65.5-09

INSTRUCTIONS:

Only TYPED copy accepted.

(KEY – Dashed line through material to be deleted, underline material to be added)

Use second sheet for any material requiring more space.

Code Title Indiana Residential Code		Edition 2009
Section number and title E4203.6		Page 716
Proponent Charlie Eldridge	Title Consultant	
Address 551 Grassy Ln., Indianapolis, IN 46217		Phone (317) 370-3444
PROPOSED CODE CHANGE (Check One)		
<input checked="" type="checkbox"/> Change to read as follows <input type="checkbox"/> Add to read as follows <input type="checkbox"/> Delete and substitute as follows <input type="checkbox"/> Delete without substitution		
<p>E4203.6 Non-Utility overhead conductor clearances. Except where installed with the clearances specified in Table E4203.5, the following parts of pools and outdoor spas and hot tubs shall not be placed under existing service-drop conductors or any other open overhead wiring; nor shall such wiring be installed above the following:</p> <ol style="list-style-type: none">1. Pools and the areas extending 10 feet (3048 mm) horizontally from the inside of the walls of the pool;2. Diving structures; or3. Observation stands, towers, and platforms. <p>Overhead conductors of network-powered broadband communications systems shall comply with the provisions in Table E4203.5 for conductors operating at 0 to 750 volts to ground.</p> <p><u>Note:</u> Utility-owned, -operated and -maintained power and communications conductors, community antenna system coaxial cables, network-powered broadband communications systems, and any supporting messengers shall be permitted at a height of not less than 10 feet (3048 mm) above swimming and wading pools, diving structures, and observation stands, towers, and platforms. are covered by the National Electrical Safety Code and the serving utility's standards and practices. Any installation under these facilities should be done in cooperation with the serving utility.</p>		
REASON AND FISCAL IMPACT		
<p>The application of the rules for in the NESC are different for utilities and homeowners. For instance, Rule 234 in the NESC is applied as follows:</p> <p>"Vertical and horizontal clearances (no wind displacement) The vertical and horizontal clearances specified in Rules 234B, 234C, 234D, 234E, 234F, and 234I apply under whichever conditions of the following conductor temperature and loading conditions produces the closest approach. Rules 234A1a, 234A1b, and 234A1c apply above and alongside subject installations; Rule 234A1d applies below and alongside subject installations.</p> <ol style="list-style-type: none">a. 50 °C (120 °F), no wind displacement, final sag.b. The maximum conductor temperature for which the line is designed to operate, if greater than 50 °C (120 °F), no wind displacement, final sag.c. 0 °C (32 °F), no wind displacement, final sag, with radial thickness of ice, if any, specified in Table 230-1 for the zone concerned.d. The minimum conductor temperature for which the line is designed, no wind displacement, initial sag." <p>The NESC goes on with <i>Horizontal clearances (with wind displacement)</i> and <i>Transition between horizontal and vertical clearances</i>. The NESC is also written for the use and application of its rules by engineers. These rules are then converted into standards and practices for their people to use for various installations.</p>		
REVIEW RECOMMENDATION		
Approve		
Disapprove		
Approve as amended		
Further Study		